p53as PROTEIN AND ANTIBODY THEREFOR

Abstract of the Invention

The invention comprises plasmids and viral vectors containing an animal p53as cDNA sequence. A portion of the p53as sequence may be identified to a position of wild type p53 gene from the same animal. In preferred embodiments, the p53as is mouse or human p53as. A preferred viral vector is baculovirus vector. The invention further includes antibodies both polyclonal and monoclonal, to p53as and to at least a portion of human p53 intron 10 sequence encoding SLRPFKALVREKGHRPSSHSC$_A$ (SEQ. ID. NO. 1) which is related to p53as sequences and plasmids and viral vectors containing such sequences. All of the above find utility in studying p53 and p53as and their relative expressions which is believed important for detection and control of malignant cells and their susceptibility to treatment agents. The antibodies can detect the presence of p53as and related sequences and when injected into cells could cause cell cycle arrest and the plasmids and viral vectors, with appropriate promotors, can cause expression of the p53as and p53 intron 10 sequences which can affect cell growth and perhaps arrest certain malignancies.